



G P Mills

Colombia

1944

38000-38442

Just

Qps

Killip, E. P. Colombia 1944
Field notes Nos. 38000 - 38442

Colombia

1944

38000-38442

Killip, E. P.

Colombia

1944

Field notes Nos. 38000 - 38442

Il



E. P. Melipó

Instituto de Ciencias Naturales
Bogotá

Apartado 570, Cali

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38100

Cundinamarca: Monserrate, Cord.
Or., 3000-3300 m. 4/16/44 Sulfur
Zona del Acueducto Municipal.
E. P. Killip et. H. Garcia B. et G. Gutierrez

Garcia
no.

✓ 38000 *Senecio*

Sh. 1.5 m.

11080

38001 *Valeriana longifolia* HBK.
Coarse

1

✓ 38002 *Eupatorium*

Shrub ± 2 m. Br. light gr., cor. pi. styles
pinkish wh.

2

✓ 38003 *Lupinus pilos*

Shrubby vine; fl. purp., stam. column
in upper half

Monserate

4/16

✓ 38004 *Rubus* *macr.*

S, loping branches \pm 1.5-2 m. l., fruit
purplish black

✓ 38005 *Senecio*

S 1-1.5 m; infl. y

✓ 38006 *Hypericum*

S 60 cm.; pet. y; very viscons

✓ 38007 *Espeletia*

Stem \pm 1 m. (to leaves) • ped. \pm 60 cm.

Rays bright y

Mousserate

4/16

✓ 38008 Grass Festuca? yellow in
manchas abundante.

✓ 38009 Apium
Herb 80 cm. h.; fls. wh.; fr. red

✓ 38010 Espetelia
Pl. 30 cm. high; ped. 50 cm.

✓ 38011 Hesperomela
5 m., compact; fls. wh.

✓ 38012 *Rubus*

On ground; fl. ashy wh.

✓ 38013 A.C.

on gr

✓ 38014 *Eup. ~~Alga~~ microphyllum* (?)
^{tuber}
Cor. gr., lobes & styles lilac
Herb, suffr. below

✓ 38015 *Rubus*

S ± 2 m. along br.; pet. ^{reddish} deep pink

Mousserate

4/16

✓ 38016 Polygon. Anant?
Commonly Matted herb.

✓ 38017 Bromus ciliaris

38018 Digitalis s.p. corola
blanca manchas rojas.
+ -025 (unicolor)

38019 Digitalis corolas pur-
puras manchas blancas
(unicolor)

Monserrate

4/16

Monsenate

4/16

✓ 38020 *Thib.* ^{lobes pale}
S 1.8-2. m., cor. r. "HVA-CAMARONA"

✓ 38021 *Th.*
S 1.5-1.7 m. "HVA de ANIZ"
Tube pi, ~~green~~ greenish apex

✓ 38022 *Calamagrostis*
Glume

✓ 38023 *Stipa* *lm*

✓ 38024 moss
on bank

38025 moss
On bank.

✓ 38026 *Nicotia* "ESMERALDO"
Compact S \pm 1m; pet wh

✓ 38027 *Diplostegium*
S 1-1.2 m; heads greenish wh.

Monserrate

4/16

Monserrate

4/16

✓

38028 *Eupatorium*

^{viscos}
S 2-2.2 m; br. green; cor. & style
greenish pin.

✓

38029 *Vacc.*

sup. to 30 cm.; cor. wh.

✓

38030 *Paspiflora nuxta* "CURUBO"

HV, tube & sep out gr., sep in + pet - r.

✓

38031 *Rhamnus*

su. to 2 m caliz rojo, estambres
blancos.

Mousseate

4/16

✓ 38032 *Geranium*

Straggling h; pet. ^{darker} rich pi, with ~~deeper~~ veins

✓ 38033 *Rapanea dependens* (R.P.)
Sun. Tree ± 2 m
May

✓ 38034 *Oreopanax mutisiana* (HBK.)
Sun. Tree ± 1 m; pet. gr; anth y
Dane. & Pl.

micro. HNC.

✓ 38035 *Passiflora mollissima*

Tube gr., purple tinged; sep. purple out, pi
in; pet. fr.

✓ 38036 *Diplostegium*
S ± 2 m; head gr. - y

✓ 38037 *Valeriana*
Coarse herb; cf. 38001 "valeriana"

✓ 38038 *Lycopodium*
Repeats

✓ 38039 *Paepalanthus*
In small clumps.

Mousse mate

4/16

✓ 38040 *Malva*
Cor. greenish wh.

✓ 38041 *Lupinus*
Vine, close to ground; cor. purple,
standard/pale in upper half.

✓ 38042 *Rubus*
S + ~~trifl.~~ ^{fr.} purplish black

38043 *Clethra*
In tree 2.5 m.; cor. blanca

Monsenete

4/16

✓ 38044 *Carex*
Style branches 3

✓ 38045 *Setaria*

✓² 38046 *Eupatorium*
Low, compact S

✓ 38047 *Paspalum*

Mousserate

4/16

✓ 38048 Rubus

S ± 2 m, elong. loping br; pet. light
pi

✓ 38049 Fungus
on Gaultheria

✓ unico H.V.C.

✓ 38050 Grass

✓ 38051 Galium aparine Tagua (H.B.K. Don
Sm Tr, 1-2 m.; ~~cor~~ fls. all parts
pale white.

Monsenate

4/16

✓ 38052 *Pernettya*
S ± 50 cm; cor. wh.

✓ 38053 *Senecio*
(hub.

To send
them to
Curt

✓ 38054 *Claphoglossum*
Jer.

✓ 38055 *Castilleja*
30-40 cm. br. red; cor y, red-
pink-lipped

Monserrate

4/16

38056 *Castilleja*
Same color as 55-

Monserrate

4/16

✓ 38057 *Gauecheria*
10-20 cm high; cor. red

38058 *Gauecheria*
± 40 cm; cor. red

✓ 38059 *Lycopodium*
~~in~~ Jer.

✓ 38060 Vace.

Low sh up to 30 cm.; cor. red; fr. gr.

✓ 38061 Polypodium
Repent; ter.

✓ 38062 Hydrolea
Forming dense mats on ground
upl. light green

✓ 38063 Polypodium
Ter.

Monserrate

4/16

✓ 38064 Grass

✓ 38065 Sol.

Vine; cor. green

✓ 38066 Opelia

H.V.; pet. y

⁸/_✓ 38067 ^{eye}Eupetitia

Pl. 2 m. high; rays y

Mousserate

4/16

✓ 38068 *Rhamnus*

Shrub, 2 m.

✓ 38069 *Och.*

Ter.; fls. greenish y

~~air.~~

8/70
✓ 38069 *Espeletia*

Pl. 1-1.5 m. herb.

7
✓ 38071 *Symplocos* *flagiformis*

Tr. 2 m; fls. pink

"Te de Bogota"

Monserrate

4/16

✓ 38072. *Euc.*

Low shrub; cor. wh.

✓ 38073. *Clethra*

Low shrub; ^{1.5 m.} cor. wh.

✓ 38074. *Elaphoglossum*

Stem rampant on ground

✓ 38075. *Elaphoglossum*

Stem rampant on ground

✓ 38076. *Gent. Macrocarpaea glabra* (L.f.)

S 1.5 m.; fls. greenish y. Supp. h. ^{2.5 m.}

Drainage of Rio Muña, Km no. 7. San Isidro.

~~38077~~ - Km 32 Bogota. Ficus. Highway 4/30/44

77-81 ^{roadside} 2800-2850m

✓ 38077. *Gaiadendron tagua* (HBK) 4.5 m

Tr ± 4 m.; fls. greenish white

✓ 38078. *Sterea*

S ± 2 m; florets or styles white or pinkish

✓ 38079. *Eup.*

Sup. h, 50-75 cm; florets cream

✓ 38080. *Lachnilla nuttallii*
Long repent herb; infl. green

✓ 38081. *Hypocnemis*
Pl. suffr., ± 35 cm high; fl. light y.

✓ 38082 *Borreria*
Subprod. l.; cor. wh.; moist bank

✓ 38083 *Oreopanax*
Open. Tr. ± 5 m., branches ascending

✓ 38084 *Chusquea Lehmannii* Pilger?
Br. erect or ascending, highest ± 4 m

✓ 38085 *Fern.*
10-15 cm high
Under rocks; ter.

San Miguel

4/30

8

Open bank

Thickets

Wet forested bank ± 9.100 ft. ^{2500 m}

San Miguel

✓ 38086 Acauth.

Herb with long branches ± 1 m. h.; cor. bright red

Wet forested hillside ^{2 ft. from} ~~+ 9100 ft.~~

✓ 38087 Gaultheria

Low S, ± 30 cm.

\pm open bank

38088 Sisyrinchium

Pennant ± 1.5 cm. diam

1 m

Wet ditch

✓ 38089 Cladonia

Small 2.5

Ter.; pl. white

Wet bank

✓ 38090 *Peltigera*
Forming mats on wet bank

✓ 38091 *Polytrichum*
Wet bank

✓ 38092 moss
Wet bank

✓ 38093 *Hydrocotyle*
Pl. repent & prostrate; infl. light gr.

San Miguel

Wet ditch ± 8000 ft. ? Bet. San Miguel +
21700 m.
~~Fusagayza~~
Aguadita 4/30

✓ 38094 *Loana*

Fls. pinkish or; lvs. with elong. ls.

✓ 38095 *Begonia*

Succ. lvs., elong. ls.; floral aw. bright red,
stamens greenish or.

38096 *Gesneria*

un.

Herb; cor. or.-y

✓ 38097 *Gesneria*

H, stems ^{depending on bark,} coarse; cor. cream, purple-
spotted in

Bet. San Miguel of Usagareña

4/30

Wet forested bank ± 2680m. 2200m.

✓ 38098 Solanum

H ± 1m; cor. greenish wh; calyx purplish

✓ 38099 Elaph.

Ter.

✓ 38100 Rubus

S; tr. along. 1-1.5m

✓ 38101 Epidendrum

Ter. 5 sep. greenish y; cor. wh, purple at apex; lip yellow, pinkish purple at center

Ret. San Miguel o Fusagasuga

4/30

Open bank

~~ter~~ " -

~~ter~~ wet for. bank

✓ 38102 *Tropaeolum*

HV; stems densely intertwined & bound together
by the tendrils; lvs. purple beneath; fls. dark
red.

✓ 38103 *Bouanua* "purpurea"

HV; lvs. wh. beneath; fr. ashy pub.

Sep. a pet. or.-red, unspotted, equal

✓ 38104 *Mibania*

Sup. H.V. Old bracts purplish brown, pale at margin

38105 *Mibania*? or *Eup.*

Sup. vine; fls. & style pinkish wh.

Un

Bet. San Miguel & Jico.

4/30

Wet forested bank

Thickets

2670 m.

✓ 38106 *Muhlenbergia*

H.V.

✓ 38107 ^{or *Euphorbia*, *amplum*} ~~*Vernonia*~~ *Vernonia*

Er. herb or suff. 50 cm - 2 m.; florets pale for
stem very viscom

✓ 38108 *Hieracium*

Erect h. to 1.2 m.; florets golden - y

✓ 38109 *Bumelia*

Tr. ~~to~~ 5-6 m; buds ^{young} light gr.; fr. y-g, old fr.
deep red

Bet. San Miguel & Tingo.

4/30

± 8500 ft. Thickets

2600 m -

In open

Wooded bank

✓ 38110 Sphagnum

Bet. San Miguel o Fus. 4/30
Wet bank

✓ 38111 moss

cl n

✓ 38112 Pilea
^{leaf}
Dic. H. \pm 30-50 cm,

Wet places along ditch in shade

✓ 38113 Pilea
same as above \pm 25 cm

✓ 38114 Melast.

Stem; pet. wh.; anther y

✓ 38115 Besleria

^{50-60 cm}
Herb; cor. or-red, green at base; fr. pinkish

✓ 38116 Pilea

Er. h., ± 1.5 m.

✓ 38117 Psilogramma

Ter. long. br.

Bet. San Miguel & Jico. 4/30
wet shaded bank. 2600 m.

± 8200 ft (2500 m.)

38118 *Valeriana*

un.

Cor. wh.

38119 *Orch.*

un.

Seq. greenish pink, fleshy, lip with 3 deep
pi. stripes. In.

38120 *Moss*

5/14/44
Missing

On bank

✓ 38121 *Bomarea racemosa*

H.V., stem prostrate over bank; sep. deep
r; ~~sep.~~ ^{pet.} red out & in at upper half, ~~grad~~
grading to yellow claw; purple-spotted
within, the spots larger toward base of
blade. Anthers bright blue

Bot. San Miguel

4/30

In open along roadside

Open bank

un.

7200 ft. (2350 m)

38122 Moss

open
on bank

Un

✓ 38123 Valerian

NV

38124 Hydrocotyle

Reperit

Un

✓ 38125 Cyphus

Pet. pale pi., calyx deep purple

Bet. San Mig. o Pns.
2350 m

4/30

Thickets + 8500 ft.

2600 m

pitch

0 = number of levels for tree

- ② 38126 *Achatocarpus nigricans* Tr.
Sun. t. \pm 4 m.; fls. white
"aguaniel"

- ② 38127 *Machaerium capote* Buzard
"Capote" Tree \pm 10 m. h., diam. 65 cm.
10-12 m. h.

- ① 38128 *Acalypha*
S 1.5 m.; ~~inf~~ fl. green & green wh.

- ② 38129 *Galactia*
H.V., common; fls. rich pink, base striped

Arund.: Apulo, 455-500 m. 5/4/44
thickets Along trail.

Along trail

Thickets

Apulo

5/4

③ 38130 *Capparis macrophylla* ?
Erect s. ± 3 m.; stem wh.

① 38131 *Aspidosperma dugandi* Strebl.
Tr. 12-15 m. "comulà" or "cumulà"

② 38132 *Anacardium* ?
s. 2-2.5 m; pet & stem wh.; fl. fragrant.
~~S. 2-2.5 m; fl. wh.; fl. fragrant.~~

① 38133 *Pomoea carnea* Jacq.
Suffrut. 1-1.2 m; cor. pi.

Apulo

5/4

① 38134 *Cordia polyccephala* Lam.
S # 1-1.2 m; cor. wh.

② 38135 *Serjania grandis* Seem.
Sup. vine; pet. wh.

③ 38136 *Machaerium gondoti*
Tr. 2-2.5 m.

④ 38137 *Malva viscus*
S ± 2.5 m; pet. red

② 38138 *Cordia globosa*
S 75-100 cm; cor. wh.

① 38139 *Capparis ~~sp~~ eustachiana* Jacq.
In 4 m. Un - ANC.

① 38140 *Bastardia*
~~S~~ Inf. 5 to 60 cm; pet. y

① 38141 *Arrabidaea candeliana*
W.V., cor. pi., pale toward base

Apulo

5/24

① 38142 Sol.
Low sh, spreading S.
Surf. h. cor. y

① 38143 Wedelia
S 1-~~1.5~~ 1.5-2 m, spreading br; orange
y

② 38144 Aschynomus
Surf. h; branches erect or ascending;
fls. light y

① 38145 Metastelma
N.V.; cor. greenish wh.

Apulo

5/84

Apulo

5/24

① 38146. Sol.
Low S.; w. y.

② 38147 *Breweria ferruginea*
W. V.; cor wh, the 5 heavy lines without
green.

① 38148 ~~Benthania~~ *Ayeria*
Er. S. up to 75 cm; fls. light green

① 38149 ~~*Benthania*~~ *Benthania*
~~*Fraxipetala uncinata*~~
H up to 50 cm.
pet. whitish with purplish streaks

② 38150 Bromel.

Ter. ^{or Epiphyte} Infl. ± 1.5 m. tall.

① 38151 Solanum

Low sh; cor. & anthers ^{4.} gr.; fr. purple
in lower half, green above

① 38152 Talium

Succ. herb; fls. pi. "Verdolaga"

② 38153 Wissadula

Herb. to 60 cm; pet. pi.; ^{or wh. with red center} stamens y

April

Alt. 500-525 m.

5/24

Apulo

5/24

① 38154 *Serjania*
H.V.; pet. wh.

① 38155 *Acauth.*
bracts red;
S 1.8 m; old infl. deep purple.
In shade

② 38156 *Sequiera*
S \pm 2 m; sep. & st. wh.

② 38157 ~~Apoc. 28~~ *Securidaca*^{2.}
T \pm 5 m; flo. green pale y, 1 part purple
at apex

② 38158 Helicteres

S 1-2 m; pet. cream-wh. "Mosquero"

① 38159 Brom.

Ep.

① 38160 Cereus

Epip. with hanging stems; old fls.
juvial

① 38161 Lantana

S 1.5 m; cor. lilac

April

5/4

② 38162 *Desmodium spirale*

H ~~2~~ 70 cm.

② 38163 *Senegalia*
'Pabelo'. W.V.; st. wh.

① 38164 *Stylosanthes*
Suf. herb to 60 cm; fls. y

① 38165 *Asclef.*
NV; cor. garnish wh

~~Alt. 525-600 m.~~ Apulo

5/14

alt. 525-600 m. April 5/4

(2)(2)

38166 *Fresia*

Er. herb; infl. greenish.

(2)(1)

38167 *Jacquinia*

H.V.; cor. bright blue

(1)(1)

38168 *Croton*

S ± 1.5 m; infl. wh.

(1)(1)

38169 *Aspidospermum ellipticum*

Sm. tr. 3-4 m.

② 38170 *Schinella*

W.V.; young leaves silvery-sericeous beneath.

① 38171 *Euphorbia lutea*
N. "Tripa de pollo"

③ 38172 *Physalis*
N. ^{± 60 cm} _^ ^{cm. y-g} "vejigón"

② 38173 *Maechasma*
T ^{obsc. dark purple} _^ ^{wine-red. sp.} _^ ^{pl. y. sub-stemmed reddish} _^ ^{spotted} _^ ^{purple at center} "Capote"

Apr 10

5/4

② 38174 *Passiflora foetida*
"Gulupo" 1+V

① 38175 *Cryptanthus*
Parasite on *Capparis odoratissima*
"Pajarito"

(HNC) 38176 *Desmanthus* Un.
H ± 60 cm

② 38177 *Sida*
H; pet. ~~yellow~~ pinkish

April

5/4

① 38178 *Cuscuta*
On *Malvaceae*

① 38179 *Evolvulus cardiophyllus*
H.V.; cor. pi.

① 38180 *Evolvulus nummularifolius*
H.V. cor. wh.

① 38181 *Stenoc.?*
H with lax spreading branches.

Apulo

5/4

Aprils

5/4

② 38182 Chloroleucon boissianum
Tr. 5-6 m high, bark peeling off
readily; stamens yellowish

① 38183 Croton
Sh. ± 80 cm. infl. greenish white.

① 38184 Croton
Sh. ± 1 m. " " "

① 38185 Croton
Sh. 1.8 m " " "

①

38186 *Pandia*? *Bumelia*? ~~*Bucida*~~?

Shr. 1.5-1.6 m; fls. greenish wh.

Apulo

5/4

②

38187 *Macrocephala*

H.V.; fls. ^{tube & about out} ~~light~~ greenish wh, limb
yellowish gr. within

②

38188 *Senegalia*

"Pabelo" S, much branched, up to 2 m.

①

38189 *Portulaca*

Succ. herb; fls. reddish purple

"Yerba de vidrio"

Apulo

5/14

① 38190 *Talinum*

Succ. herb; fls. deep pi. to pale purplish

① 38191 *Lycopers*

W. V.; old infl. purplish black

"① 38192 *Centrosema*

Low HV; fls. pinkish blue, paler without

① 38193 *Maep.*

S with elong. branches; pet. y

"Abniguelallo"

① 38194 *Desmodium canum*.

Erect herb 30-50 cm.

① 38195 *Pith.*?

"Payandé", small tree.

① 38196 *Comp.* *Trixis radi*
Erect
Herb ± 40 cm; rays 4.

① 38197 ~~*Zanthoxylum*~~ *Bursera toment.*?

Sm. tree ± 1.8 m, few-branched

"Tachuelo"

Aprils

5/4,

① 38198 Lab. *Marrubium vulgare*?
"Orégano" Erect herb, with thick lvs.
fls. pink; infl. elongate up 1.5 dm. long.

① 38199 *Acalypha*
S ± 1.6 m, with slender stems
"Cordoncillo"

① 38200 *Cydista diversifolia*
"~~Chirialoe~~" "Chiriador" W.V.;
Cor. purple

② 38201 *Chiranthus*
on shaded bank

Aprils

5/24

① 38202 Malp.

W.V.; pet. y.

② 38203 *Ficus duquei* Engelm
"caucho blanco"

① 38204 *Urvillea*
N.V.; pet. wh.

② 38205 *Pithecellobium*

Fr. much branched, 5+ m. high; stems
wh.; fr. red, seeds black, surrounded
by white pulp. "Payandé"

Apulo 525-600 m.

5/4

Apulo; in park of hotel, 455 m.

Apulo, 455 m.
Waste places in shade

5/5/44

Roadside 455 m.

(

1050

1050

1050

1050

1050

① 38206 Amyris

S. J. 2-3 m. high, rarely 4 m.

fls. white

① 38207 Lanthornium pterota ~~(?)~~

S + 2 m. "uña de gato"

① 38208 Smutanthus

Parasite; buds light green,

"pajarito"

① 38209 Phor.

Parasite; fruit orange

+ 455 m.

Apulo, roadside thicket

5/5/44

② 38211

~~38210~~ Stigmaphyllon

Sup. viv.; pet. bright yellow

① 38210. Tillandsia

Ep.

② 38212 Cassipourea

H.V.; fr. dark green

② 38213 Acalypha

S ± 3 m, ♀ bracts green, with white fringe;

♂ light green

460-480 m.
north of

Apulo, Quebrada Camargo 5/5/44

Wooded ~~area~~ valley

(loc. same as 38209)

(loc. same as 38211)

Apulo
Inebunda Camargo

5/5

② 38214 *Zizyphus styracifolia*
Tr 3-4 m; fr. deep gr., with gray spots
"Pepa de loro"

② 38215 *Ormosia apulensis* ?
W.V. Infl. young

② 38216 *Phaseolus speciosus*
H.V.; cor. cream, standard & wings
faintly to deep purple without

② 38217 *Erythroxylum bonduense*
S ± 1.8 m. Pet. wh.

②

38218 *Phyllanthus*

slender

2-2.5 m., simple trunk, with
~ branches toward apex

①

38219 ~~*Beylhamanthus*~~
Hedyotis mucronata

Sup. l.; fls. pink.

①

38220 *Paullinia*

W.V.; fr. red

②

38221 *Piper*

S 2 m. ±; spikes ~~red~~ greenish white
"cordoncillo"

Apulo: Queb. ^{Camargo}
~~Camargo~~

5/5-

Apulo: Queb. Camargo

5/5

① 38222 Phaseolus

H.V. St. o w. pi., head wh.

② 38223 Erechtanthus
Parasite

② 38224 Abutilon

S or Sup. h. up to 3 m.; pet. wh.

Branchlets softly toment. toward apex, but
with hairs additional at up to 3 mm long below

③ 38225 Dalechampia ^{fract.} colorata

H.V. ~~♀~~ purplish pink, up to 2 cm l. o

8 cm. wide

① 38226 Eupatorium

St. 5 ± 1.5 m. up to 7 cm l x 8 cm broad

flowers & styles pi. Probably not
E. odoratum.

(3)

38227. *Trichilia*

Slender tr., with slender trunk to 4m. high

Apulo: Queb. Camargo
; pet. greenish white.

5/5

② 38228 *Ximenia americana*

Tree 6m. high; buds yish gr.; petals ^{HWC}

green, 4 pet., 8 stamens

① 38229 *Lasiacis*

H.V. "chosquito"

① 38230 *Lasiacis*

H.V.

① 38231 *Mandevilla*

H.V.; buds green

③ 38232 *Uruceae*, *Tropis*

Calyp gr.; anther wh.; Sm. J. 12.5 m.

② 38233 *Arabiaceae candicans*

W.V.; cor. bright purple

② 38234 *Passiflora coriacea* Jacq.

H.V. Sep. gr.; Oer. fil. greenish wh, purple below; tub. inner fil. deep purple.

① 38235 *Cissua?*

Sup. v. uni; inf. greenish wh.

① 38236 Comp.
Low s, spreading br. rays y; florets darker

① 38237 Aphelandra
Sup. h., ± 1.5 m; bracts scarlet; cor.

① 38238 Steriphoua ^{calyx & pedicels}
S with elong. branches; ~~pet.~~ vivid or. - r.

① 38239 Myrt.
Sm. tr. ± 3 m; much branched; pet. wh.

① 38240 Euph.
S, with stems hanging over bank; infl. green

② 38241 Tournefortia
W. V.; calyx & cor. green; no wh.

① 38242 Turpinia rad.
Spreading branches; rays bright y

② 38243 Euph.
S 1.5-2 m. high; infl. gr.

① 38244 Phyllanthus
S $\pm 1\frac{1}{2}$ m.; fls. greenish

Apulo: Queb. Camargo 5/5

= 155

pet. & fil. yellow.

①
38245 *Adiantum*

On densely shaded bank.

①
38246 *Anac.*? *Taberna stricta* B. & Pl.

"Mata puerco" Tr. with slender erect stem ± 3 m.

①
38247 *Capparis*

Tr. ~~4m~~ ± 4 m or slightly more; calyx green, pet. greenish wh.

①
38248 *Morisonia*

Slender tree 3 m. high; barren. to cf. at Buc

①
38249 *Malpighia glabra*

S or Sm. tree; pet. bright pi "cereza"

①
38250 *Adipera*

②
Herb ± 40 cm; pet. y

②
38251 *Tanthosyllum*

Tr ± 6 m. high.

②
38252 *Cassia nitida*

Tr. ± 3 m. - 6 m.; fls. white "Plomo"

②
38253 *Leucaena glauca* (L.) Benth

②
Herb wh. low sh.

Apulo: Herb. Camargo

5/5-

(Kant. & Dr.) Tr. & Pl.

high, leafy only at apex

pet. greenish wh.; filaments wh, turning purplish

Thickets along trail near Apulo

~~Along~~ Along r.r. Apulo

"Plomo" or "Plomito"

①
38254 Desmanthus
Slender h. up to 35 cm. high; stems wh.

②
38255 Cordia
"Móho" Tr. 8 m. h.; cor. white pure wh.

①
38256 Corchorus

N.; pet. y
①
38257 Ruellia

H 25-30 cm; cor. blue; fl. viscous.
①
38258 Serjania

Sup. vis.; pet. wh.

①
38259 Solanum

Low spiny S; cor. wh.; anther y.

①
38260 Ficus prunoides

②
"Caucho menudo" Tr. ± 12 m.

①
38261 Lasiacis

① N.V. "chusquito"

①
38262 Ficus dendroica HBK.

J ± 15 m; thick trunk ± 120 cm. diameter.
②
"caucho matapalo"

Along R.R., Apulo

5/5 38254

near house

38255

"Móho"

Along R.R.

38256

38257

~~Thicket~~

38258

Roadside

38259

Thicket

38261

Roadside

38262

① 38263 *Capparis eustachiana* (form)

Shr. 2, 3 m. high; stems quite wh.

38264 *Capparis odoratissima*

② Tr. 5-10 m.; pet. & stamens light pi.

38265 *Phyllanthus dictynolobus*

① ^{erect} Plant ~~erect~~ 1.5-1.8 m.; fls. red.

38266 *Solanum*

② 5 m. high; cor. wh.

38267 *Phyllanthus muri*

① *Phyllanthus*

38269 *Prestonia*

we
but don't
no

fl. wh.; cor. greenish y;

38270 *Samanea samana*

① "Sámano" Large tree; stamens pink, white at

38271 *Tetrapterys* / *Mascagnia violacea* →

③ High-climbing woody vine; pet.
purple; fl. light green to show-color

Roadside Apulo

5/5

"Naranjuelo" Very common

Thickets

Near hotel; waste places

near hotel
Apulo; waste places

In park near hotel

base "Sámano"

(Tr. + Pl.) Ndzo

①

38272 *Desmodium glabrum*

Erect h, ± 60 cm., once branched

38273 *Dalechampia*

① H.V.; bracts green

38274 *Crotalaria*

① Erect herb ± 50 cm; fls. y

38275 Rub. (*Chiococca*?)

① S; fr. pure white

38276 *Cestrum*

① S ± 2 m; cor. light green

38277 *Melothria guadalupensis*

① H.V.; cor. light y; fr. green; lvs. scabrid

38278 *Cardiospermum grandifolium*

① H.V.; pet. wh.; fr. papery

38279 *Poinsettia*

Herb ± 50 cm; bracts bright red at base; fls. green

38280 *Aspidosperma dugandii*

① Tl 12-15 m

Tocaima

el

Hac. Acharo, Mt. Perbenza
and Tocaima, alt. 350 m.

Roadside thickets

5/7/44

~~Here~~ along quebrada

(2)

38281 Mel.

Tr. $\pm 8m$; fls. wh.

38282 Abutilon

(2) Tr. 4 m high, up to 40 cm. ~~in~~ diam. at ground lvs. purplish

(1) 38283 Myrt.

fls. wh.
Tr. $\pm 4m$; fr. wh.

38284 Acanth.

(1) S. 1-1.5 m; cor. red.

38285 Fungus

us

On rotten log. Plant purplish or.

(1) 38286 Piper

~~cor. 2 m. (?)~~
S ± 2 ft; spikes light gr.

38287 Citharexylum Sol?

(1) Tr. 6 m high, with many wide-spreading branches

38288 Calliandra

(2) Tr. 8 m; cor. wh; stamens reddish pi.

38289 Acanth.

(1) Sap H, woody at base; in fruit

Hac. Cucharo; quebrada

5/7

- ① 38290 *Stemmadenia grandiflora* (Jacq.) HBK. ^{micro}
 S 2-3 m.; fls. pale yellow.
- ① 38291 *Croton*
 Slender S, 1-1.6 m.; stem white
- ① 38292 *Ficus* ^{W.}
 H.V.; fls. wh.
- ② 38293 *Piper*
 S 1.5-2 m.
- ① 38294 *Schefferia frutescens*?
 Tr. 4 m.; fr. or.
- ① 38295 *Sapot*?
 Tr. ± 4 m. high (old fruits)
- ② 38296 *Wendrothia*?
 - pale purple
 W.V.; st. pale pi; keel wh; seeds olive, with black culms.
- ① 38297 *Chamaesyce*
 H & 60 cm.
- ① 38298 *Mimosa*
 W.V.; cor. y.

El Hac. Cucharo; quebrada 5/7

petals greenish; stamens
purple; anthers white

(2)

38299 *Capparis securidacea* H. & B.

Slender tree,

4 m, with hanging branches, red fruit

38300 *Esenbeckia* (cf. *atata*)

(2) Small tree, up to 5 m.; fls. greenish. "Cuala"

38301 Comp.

(1)

Herb 60-70 cm; florets wh.; anthers dark brown

38302 Mon

un-brg.

On trunk of *Capparis adriaticensis*

38303 *Passiflora patula* var. *gossypifolia* (Desv.) Mast. (Lm.)

(1) HV.; sep. & pet. wh.; cor. fil. purple.

38304 Solanum

(2) Sm. t., 3 m high, slender trunk; cor. pinkish purple; anthers y.

38305 *Celtis iguanaea*

(1) Sm. t., 3-4 m.; ripe fruit yellow-orange.

38306 *Steriphruma* nsp.

(1) Climbing shrub; fls. calyx bright or; — stamens y; largest fl. seen = ± 40 cm. long

38307 Sapot

(2) Single trunk, up to 6 m. high; lvs. silvery
or rusty beneath, borne at apex. With
much milky sap.

Hac. Cucharo; quebrada

5/7

- ① 38308 *Jacquemontia* 1000000 5/2
H.V.; cor. pale bluish.
- ② 38309 *Staphylea* 1000000
Slender woody stems, vine. (sterile)
- 38310 *Fungus* 1000000
On dry branch
- ① 38311 *Adansonia* 1000000
Tr. 5-6m., trunk 10-15cm diam; fls. green white
- ① 38312 *Myrt.* 1000000
Tr. $\pm 4m$; buds wh.
- ① 38313 *Memora* 1000000
W.V; cor. bright y.
- ③ 38314 *Amara petiolata* 1000000
Pet. wh; small S, 1.5-2m.; lvs. shiny
- ① 38315 *Piper* 1000000
S ~~$\pm 2m$~~ $\pm 3m$; nerves impressed above.
- ① 38316 *Bunchosia* 1000000
Sm. S, $\pm 1.6m$.

Idae. Cucharo, quebrada

①
38317 Raudia

Sm. t. with long branches.

38318 ?

② ^{dis. branches; pet}
S 1 m. high; fls. wh., gr. at base, green.
Talisia stricta (Kunt. & Ta.) Trin. Pl.

38319 Sapindus "Mata puerco"

③ "Mata puerco" calyx lobes wh., reflexed; pet. wh.,

38320 Rynchosia

② H.V.; pet. light y

① 38321 Asclep.

W.V., with herbaceous branches; cor. wh.

38322 Dalechampia

① Slender h.v.; bracts light green

② 38323 Apoc.

High-climbing woody vine, with much latex;

① 38324 Struthanthus pyramidalis?

Par.; young infl. light green.

① 38325 Amyris

] 2.5-3 m; fls. white

Archazo, quebrada

5/7 82682

limb above.

very hairy. Small tree, slender ^(leaflets drooping + vertically) trunk, leafy at top; ^{erect}

Climbing over trees.

was sent us
HNE -

~~fls. greenish wh.~~

fls. greenish wh.

Along quebrada near R.R.

Sep. light gr. out, pinkish in; pet. pale fr.
cor. ^{white} blue & wh. banded up. half, ~~perianth~~ red-
white lower half. 327 ↑

(2)

38326 *Adenocalymna* cor. wh.

Erat 30-50cm. in potrero but becoming a vine;

(2)

38327 *Pasiflora maliformis* L.

H. V.

(3)

38328 *Platyniscium hebestegiense* Benth.

Tr. 12 m. h., 25 cm. diam. at base; "Bás"

38329 *Louchea*

(2)

W. V.; fls. deep purple, keel pale at base.

38330 *Croton*

(2)

38331 *Piper*

(glabrous)

S 25-3 m.

38332 *Piper*

(2)

S ~~2~~ 2-2.5 m.

38333 *Tectaria*

(1)

38334 *Lippia*

(1)

Slender shr. with elong. branches; cor. white

1/2 ac.

El Acharo; potrero across from El Centro ^{5/7}

"

near house

5/8

↑ ~~Cerro~~ deep rocky canyon,
"Quebrada Cabana; 380-600 m. ^{5/8}

On canyon walls (if this not recorded,
then omit for following; i.e., they were just
in deep rocky canyon.

①

38335 Malv.

Shr. h., ± 60 cm.; fls. pale y.

① 38336 Solanum

Slender herb, sometimes along. br.; ^{anthers} cor. wh.

① 38337 Xanthoxoma

Ter.; spathe gr., spadix wh., root & petiole ^{milky}

① 38338 Gesn.

Ter.; cor. pink, lobes with ^{dotted} deep pinkish red in; lvs. sometimes pinkish ben.

① 38339 Euphorbia gracilis

Slender h.

38340 Eup.

① Coarse herb, sometimes shrub, 1.5-4 m.; infl. wh.

38341 Tournefortia

① Cor. tube ^{light} green; fr. wh. 5 ± 1 m.

① 38342 Comp.

Straggling h.; rays y, florets darker

① 38343 Centrosema

H.V.; buds gr.

Quebrada Cabana, deep rocky canyon 5/8/44

Canyon wall.

Lower, open part of canyon

us
us

(2)

38344 *Adiantum*

38345 *Croton*

(2)
± 5 m.

38346 *Aphelandra*

(2)
S ± 1.5 m.; cor. r.; inf. up to 30 cm. long

38347 *Peperomia*

Succ. herb; leaves white beneath

38348 *Asplenium*

38349 *Peperomia repens*

(1)
Succ. h. with elong. branches, rooting at nodes in

38350 *Anaia petiolata*

(2)
S-succ. tree, up to 5 m. with spreading crown;

38351 *Carica*

Thick climber, 5 cm. diam., ± 5 m.; fls. white

38352 *Xanthosoma pubescens*

(1)
spathe
sp. r. gr.; spathe wh. Ter.

Quebrada Cabana

5/8

Deep rocky canyon; on rocky wall

" " " shaded forest floor

" " " " " "

" " " on rocky wall

" " " " " "

dirt of crevices of rocky wall.

pet. wh. - Rocky canyon

" "

②

38353 Myrsine
th 5 9 m. high.
Large tree, infl. wh.

38354 Orchi.

un.
us

Ter.; young infl. pinkish wh

① 38355 Asplenium

① 38356 Dryopteris

① 38357 Polypodium

① 38358 Brownea

Tree, ± 10 m; leaflets from 4-6 pairs, 3-pair

① 38359 Tetracera

W.V., climbing on trees; fr. light green

38360 Juncus

① On tree trunk; fl. deep brown

38361 Moss.

un.
us

On wet log

Quebrada Cabaña

5/8

Deep rocky canyon;

" " " forested banks
" " " rocky wall, ^{in small} caves

" " " forest floor

" " " rocky wall

" " " - forest
(these figures exclusion of cordate basal pair)
- forest

Quebrada Cabaña

576

Top of canyon wall, at edge
of potrero

Thickets along potrero

In potrero

~~was at~~ Top of canyon wall at
Edge of potrero

Top of canyon wall at edge of
potrero

Deep rocky canyon, forested banks

② ①

338362 Zanthoxylum ^{tumult spiny}
Small, much br. tree, ± 6 m; fls. yellow.

338363 Zanthoxylum
① Tree, ± 5 m.; seeds black.

① 338364 Galactia
① H.V.; pet. bluish.

① 338365 Onoseris

① Herb, 40-60 cm; rays pinkish purple
338366 Capraia biflora

① Coarse herb, ± 50 cm; cor. wh.

338367 Fuze

① Tr. ~~± 15 m~~ ± 15 m, trunk 60-70 cm. diam

① 338368 Passiflora capsularis L.!

① H.V.; floral parts white.

① 338369 Xanthosoma

① Spath. green lower half, white up; spadix wh.

① 338370 Asclep.

① H.V.; internodal stems; sterile

pet. subquadrate at base, ± 1 cm ind.

38371 *Anthurium*

Ter. herb., pet. 30 cm, blade 85 x 31 cm, of "Col de Monte"

38372 *Chloranthus*

①

38373 *Hillieria*?

Low shrub, ± 80 cm; fls. wh.

38374 *Bulnesia* sp. nov. (type) Ph. II-1

Tree ± 12 m; trunk ± 40 cm. diam. "Guayacón Carrapo"

38375 *Tournefortia*

Low shrub; fruit white

38376 *Veronica brasiliensis* (L.) Druce

Erect ± 1.3 m; fls. white. "Vara de caballo"

38377 *Hibiscus*

Sh ± 1 m; pet. y.

38378 Comp. of *Simisia pubescens* Tr.

Sup. herb. up to 1 m; rays y.

38379 *Cordia alba*

Tr. 3-3.5 m.; trunk 8 cm. diam.
cr. o fr. wh.

Quebrada Cabana

5/8

Forested bank

large leaves at flowering time; blade ^{very glaucous} beneath
On rock wall

Deep canyon

Corral de Piedra, blueb. La Cabana Corral

Potrero

Moist soil near pond
~~near Lagunas~~

Potrero

Along fence near house

El Cucharo

2

38380 *Senegalia*

* Sor Sm. G. 1-4 m; cor. ^{greenish wh.} & ST. wh.

38381 Chamaesyce

① H with ~~long~~ branches prostrate in rosettes

38382 *Isola Ambrosia*

~~to~~ Weed along rr.

38383 *Phytolacca*

① Herb \pm 50 cm; fls. deep pi.; fr. brownish pi.

38384 *Callisia*? *Trid.*?

Sum. H.

38385 *Pasiyora grandis*

Br. mottled 1/2-way. Fl. tube pinkish white lower half, up 1/2
* cups & pet. rich pi, tube from white in; cor. deep from

38386 Vasquezia

Low cut; rays deep y

38387 *Hydrocotyle*

Refert, the bathole pierce to ground; i.e. gain

038388 Comp

8 + succulent herb; no rays fls, heads
y

Near Pubenza

Roadside & potrero

Wanted places, Rubenza

Card.

Tablanca, 2060 m.

Along r.

Bogota; met. in garden of Inst. Cient. Nat.

HV ✓

5/12/44

Bogota, hillside at end of Calle 25 2640 m 5/15/44

Wet places

①

38389

Calyx y at base; limb purple or white

①

38390 Cobaea

H.V. Cor. (unopened) light green, becoming dark purple; sepals remain green even in the fruit, which is green

38391 *Cyclisus nupellanus*

S; fl. y.

38392 *Rhynchosia pittieri*

S up to 2 m, branches often scandent; fls. ^{bright} y. in, ^{light} pale out.

38393 *Jacquemontia*

H.V.; cor. blue

38394 *Merrania*

H.V. Cor. wh.

38395 *Calea glomerata* Klatt

S ± 1 m; florets or. to y

38396 *Miconia albicans*

S 1-2 m; pet. wh; anthers out, y in

38397 *Croton*

S ± 2 m 1.5-2.5 m.; st. greenish wh.

Bogotá, hillside at end of Calle 25

5/15/44

"Lower slopes of Monserrate near Parque Nacional, 2900 m.

5/18/44

ERIC Auct. Bogotá

5/17/44

Cali; ~~El~~ Cerro de las Cruces

5/21/44

1050 - 1200 m. open hillside; plant viscoso; Type loc. of R. Calensis dist. sp.

38398 *Mandevilla*

H.V., with latex; cor. bright y.

38399 *Ageratum?*

H, \pm 25-35 cm; florets pi.

38400 *Eupatorium* *resumens*

^{Euphorbia}
Stem h, 35-50 cm; florets light gr.

38401 *Chaptalia*

H; ligules violet

38402 ~~Co~~ *Ocotea*

Tr. \pm 3 m., with rounded crown

38403 *Paspalum*

H with elong, spreading br.

38404 *Scleria*

H up to 2 m; scale black.

38405 *Solanum*

S Cor. ^{pinkish} wh; anth. y

38406 [^]*Polygala*

Intern. sep. a fet. greenish white

Cali: Cerro de las Cruces
open hillside

5/21/44

38407 *Myrica xylopioides*

^{compact}
Low S, 1-2 m.; young lvs. succulent herb.

38408 *Oleandra spicata capitellata*

Low shrub; pet. wh.; n. of fl. purplish black

38409 *Eupatorium laevigatum*

S ± 1 m; florets + styles pinkish wh.

38410 *Stylosanthes viscosa*?

Lo sup., subsp. branches; fls. y

38411 *Peperomia*

Succ. ter. herb.

38412 Grass

38413 *Arenaria*

38414 *Commelinum*

Low, fleshy herb; seg. deep blue

38415 *Oleandra lutea*

S 50-60 cm; pet. pinkish wh.; st.
wh.

Cali: Cerro de las Aneas

5/21/44

open hillside, 1060-1200 m.

38416 *Fuchsia* ^{arguta}
^{few-branched}

Erect herb, 30-50 cm.; florets greenish, lobes or styles deep pi

38417 *Cipella*

Low, much-branched S, very viscous; fl. bluish pi

38418 *Evolvulus sericeus*

H, with prostrate br; cor. bluish pi.

38419 *Richardia scabra*

Low, viscous h.; cor. greenish wh.

38420 *Evolv.*

Slender herb; corolla blue

38421 *Desmodium adacum*

Low herb

38422 *Grass*

38423 *Euphorbia columifolia*
^{much later}

T ± 4 m; sepal wh, greenish at base

38424 *Solanum*

S, ± 1 m, with spreading br; cor. ^{lobes} white
wh in, gr. out.; fl. bluish purple

open hillside 5/21/44

Cali: Cerro de las Cruces, 1060-1200 m.

38425 Chamaecrista

H, much branched at base, ^{spreading} slender br; pet. y

38426 Chamaecrista

Low, spreading herb; pet. y

38427 Polygala

Pet. deep pi.

38428 Hypericum

cr. h; pet. o st. y

38429 Cuphea

^{slightly viscid}
Sup h., 30-50 cm; pet. deep pr.

38430 Zinnia

Herb with slender branches; lvs. lvs. above; fls. y.

38431 Valeriana

~~Herb with erect~~ erect herb; cor. light pi to wh.

38432 Moss

On tr.

38433 Lichen

On T

Cali: Cerro de las Aves

5/21/44

La Venta de
Cauca: Cajibío 1780 m.

5/24/44

K. & L.

^{roadside banks}
(along highway)

standard purple-lined at center

Cauca:

La Capilla, 1740 m. 25 km. W of P

IK

forest

38434 *Peperomia*

Outt

cm

Cauca: La Capilla

5/24

38435 *Polypodium*

Outt

38436 "

cm

Outt; fronds pale beneath

38437 *Psychotria*

T 3-4m; ~~corolla~~; fruit purplish black.

38438 *Mikania*

High climbing sup. vine

38439 *Oncidium*

Ep.; 5 sep. y; lip y, reddish brown at center in

38440 *Phyllonoma*

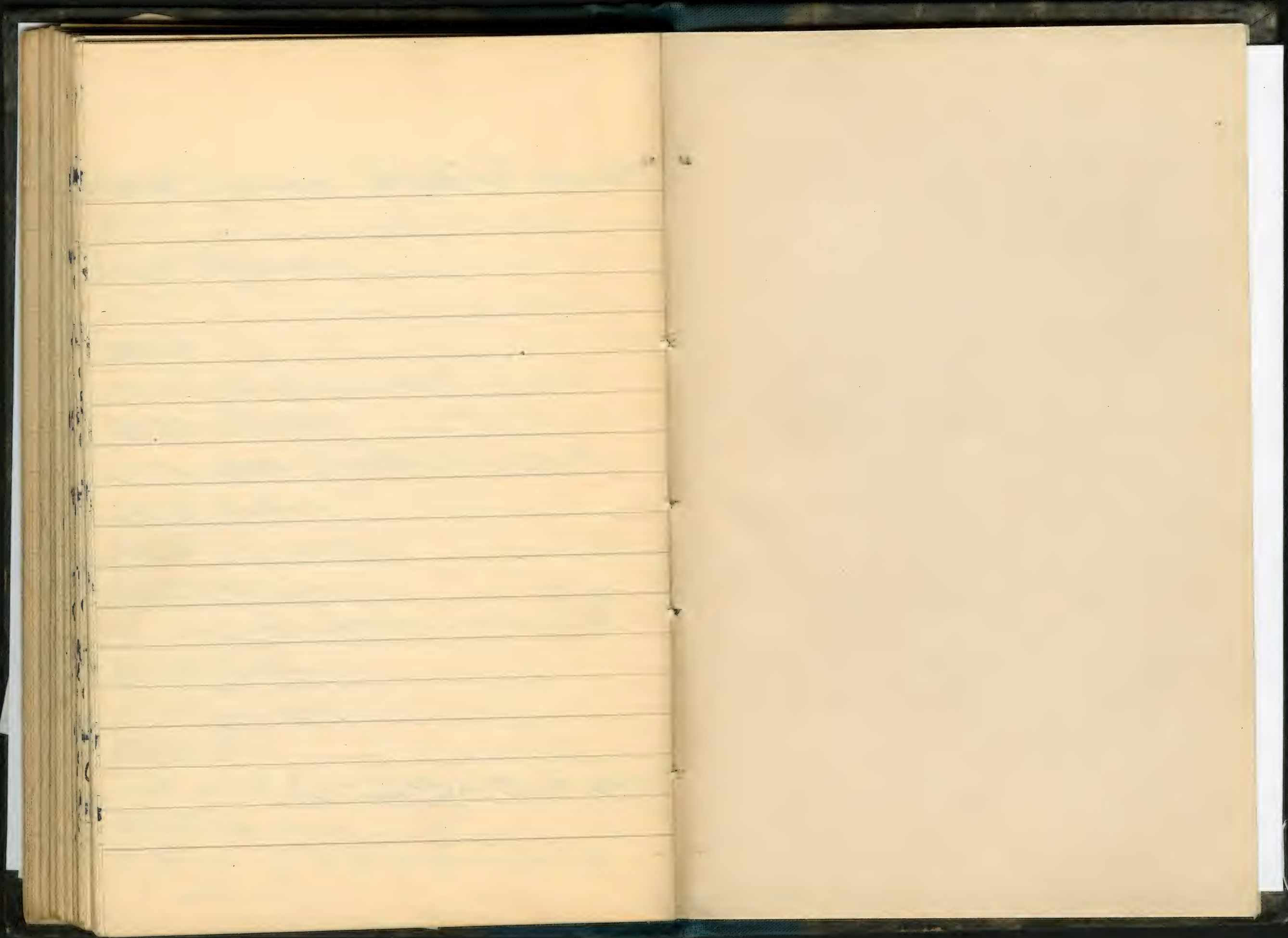
T 4-5m; fr. 49. wh.

38441 *Thib.*

Switch along br. 2-3 m. l.; deep pi to red; up. 1/2 cor. wh.

38442 *Meriania*

T 3-6m; pet. deep magenta; fil. pi. anth. wh.



For Killj-

plan

titu

and

erent
of Ins-
se check
oth.

VALON
GUIA DE CAMPO
VALLA 48

Cheerio,

A.D.

VACON
GUILA DE CAMPA
VALLA 48

For Killip:

Under 38385 we have two different plants: one Passiflora (gardens of Instituto) and one Vasquezia. Please check and give us correct numbers for both.

Cheerio,

A.D.

